



**NATIONAL STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**GB/T 6885-2020**

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**Hard metals - Sampling and testing method of mixed powders**

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### Foreword

This Standard was drafted as per the rules specified in GB/T 1.1-2009.

This Standard replaced GB/T 6885-1986 Hardmetals - Sampling and Testing of Mixed Powder. Compared with GB/T 6885-1986, this Standard made the major technical changes as follows besides the editorial modifications:

- Modify the description of batching in sampling (see 4.2 of this Edition; 3.2 of 1986 Edition);
- Modify the process requirements for preparation of test pieces (see Clause 5 of this Edition; Clause 4 of 1986 Edition);
- Add the test methods for the Vickers hardness of hardmetals (see Clause 6 of this Edition).

This Standard was formulated by using the re-drafting method and referring to ISO 4884:1978 Hardmetals - Sampling and Testing of Powders Using Sintered Test Pieces; the degree of consistency between this Standard and ISO 4884:1978 is inequivalent.

This Standard was proposed by China Non-Ferrous Metals Industry Association.

This Standard shall be under the jurisdiction of National Technical Committee for Standardization of Non-ferrous Metals (SAC/TC 243).

Drafting organizations of this Standard: Zhuzhou Cemented Carbide Group Co., Ltd.; Zigong Cemented Carbide Co., Ltd.; and Shenzhen Zhucheng Science and

Technology Co., Ltd.

Chief drafting staffs of this Standard: Mao Shanwen, Yao Xiongzhi, Liang Hong, Liu

Tiemei, Zhang Yue, and Li Siyuan.

The historical edition replaced by this Standard is as follows:

--- GB/T 6885-1986.

Hardmetals - Sampling and Testing Method of Mixed

Powders

## 1 Scope

This Standard specifies mixed powder sampling, test piece preparation and test methods for determining the properties of hardmetals by sintering test pieces.

This Standard is applicable to the sampling and test methods of mixed powder of hardmetals.

## 2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 3488.1 Hardmetals - Metallographic Determination of Microstructure - Part 1: Photomicrographs and Description

GB/T 3489 Hardmetals - Metallographic Determination of Porosity and Uncombined Carbon

GB/T 3848 Hardmetals - Determination of (the Magnetization) Coercivity

GB/T 3849.1 Hardmetals - Rockwell Hardness Test (Scale A) - Part 1: Test Method

GB/T 3850 Impermeable Sintered Metal Materials and Hardmetals - Determination of Density

GB/T 3851 Hardmetals - Determination of Transverse Rupture Strength

GB/T 5314 Powders for Powder Metallurgical Purposes - Sampling

GB/T 7997 Hardmetals - Vickers Hardness Test

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